



9001:2015



CERTIFICATE OF CALIBRATION

Page No 1 of 1

Certificate No: CC-23-24-NS-1510/01 Customer Name & Address M/s. BIO MICRO LABORATORIES No.67, Alagapuram Main Road, Opp Suramangalam Police Station, Salem - 5.	SRF No	VCI-23-24-NS-1510
	Date of Receipt	31.10.2023
	Date of Calibration	31.10.2023
	Due Date of Calibration	30.10.2024
	Date of Issue	01.11.2023

Details of Unit Under Calibration			
Description	Micro Pipette	Make	-
Range	5 µl	Model	-
Resolution	NA	Material	pvc
Serial Number	364706	Operating Range	5µl
ID Number	BML-P1	Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	-

Environmental Condition				Calibration Method Used	
Temperature (°C)	23±2	Humidity (%RH)	40-70	National / International Standard	ISO 8655-6:2002
Atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.6	Cal Procedure No	VCI-L03-WI-MASS-003

Standard Used						
SI. No.	Description	ID.No. / SI. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Semi Micro Balance	VCI-M-SMB-067	CC-23-24-S-296/01	Radwag/AS 82/220.R2.PLUS	Venus Calibration CC-2725	27.06.2024

Z Factor: 1.00319

Result of Calibration in µl										
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
		1	5.00	5.12	5.10	4.97				
		5.13	5.07	5.02	4.98	5.04				

Note: Conformity Statement

Pass:

Fail:

Remarks

- UUC is Defined as the Unit Under Calibration.
- The Measurement uncertainty is expressed at 95.45% confidence level with coverage factor k=2.
- This Calibration Certificate relates only to the above UUC & Reported results are valid at the time of and under the stated conditions of measurements.
- Calibration of the UUC are traceable to National / International Standards.
- This report shall not be reproduced in full/ part without prior permission of Venus Calibration and Instruments.
- The recalibration interval shall be determined on the user requirements.
- Nabl-133 guidelines are adopted for use of NABL symbol.
- Calibration Liquid Used: Distilled or Deionized water conforming Grade3 as specified in ISO 3696.

Checked & Issued by:

R. Bhuavneswari
 (Engineer - Calibration)

*****END OF THE CERTIFICATE*****



Authorised by:

C. Dhinakaran

(Technical/Quality Manager)

No.16, 6th Street, Annai Sathya Nagar, Poothapadu Ramapuram, Chennai - 89.
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CC-2725



CERTIFICATE OF CALIBRATION

Certificate No: CC-23-24-L-336/02

Page No: 1 of 1

Customer Name & Address M/s. BIO MICRO LABORATORIES No.67, Alagapuram Main Road, Opp Suramangalam Police Station, Salem - 5.	ULR No.	CC272523000005050P
	SRF No.	VCI-23-24-L-336
	Date of Receipt	31.10.2023
	Date of Calibration	31.10.2023
	Due Date for Calibration	30.10.2024
	Date of Issue	01.11.2023

Details of Unit Under Calibration

Description	Micro Pipette	Make	-
Range	10 - 100 µl	Model	-
Resolution	0.5 µl	Material	pvc
Serial Number	282672	Operating Range	10 - 100 µl
ID Number	BML-P3	Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	-

Environmental Condition				Calibration Method Used	
Temperature (°C)	24.3	Humidity (%RH)	57	National / International Standard	ISO 8655-6:2002, ISO 8655-2:2002
Atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.6	Cal Procedure No	VCI-L03-WZ-MASS-003

Standard Used

Sl. No.	Description	ID.No. / Sl. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Semi Micro Balance	VCI-M-SMB-067	CC-23-24-S-296/01	Radwag/AS 82/220.R2.PLUS	Venus Calibration CC-2725	27.06.2024

Z Factor: 1.00319

Result of Calibration in µl											
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)	
1	10	10.15	10.11	10.07	10.10	10.14	10.11	0.11	0.03	0.20	
		10.12	10.16	10.06	10.13	10.10					
2	50	49.78	49.83	49.75	49.81	49.74	49.77	-0.23	0.04	0.20	
		49.70	49.77	49.73	49.78	49.83					
3	100	99.48	99.56	99.50	99.45	99.47	99.50	-0.50	0.04	0.20	
		99.52	99.57	99.51	99.48	99.46					

Note: Conformity Statement

Pass:

Fail:

Remarks

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- Calibration of the UUC are traceable to National / International Standards.
- This report shall not be reproduced in full/ part without prior permission of Venus Calibration and Instruments.
- The recalibration interval shall be determined on the user requirements.
- Nabl-133 guidelines are adopted for use of NABL symbol.
- Calibration Liquid Used: Distilled or Deionized water conforming Grade3 as specified in ISO 3696.
- Our Nabl Scope is Upto 10µl to 10ml.
- The Deviation is within MPE, So after calibration is not required.

Checked & Issued by:

R.B.
R.Bhuvaneshwari
(Engineer - Calibration)



Authorised by:

C.Dhinakaran

(Technical / Quality Manager)

*****END OF THE CERTIFICATE*****

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CC-2725



CERTIFICATE OF CALIBRATION

Page No: 1 of 1

Certificate No: CC-23-24-L-336/01		ULR No.	CC272523000005049F
Customer Name & Address M/s. BIO MICRO LABORATORIES No.67, Alagapuram Main Road, Opp Suramangalam Police Station, Salem - 5.		SRF No.	VCI-23-24-L-336
		Date of Receipt	31.10.2023
		Date of Calibration	31.10.2023
		Due Date for Calibration	30.10.2024
		Date of Issue	01.11.2023

Details of Unit Under Calibration

Description	Micro Pipette	Make	-
Range	100 µl	Model	-
Resolution	NA	Material	pvc
Serial Number	-	Operating Range	100 µl
ID Number	BML-P2	Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	-

Environmental Condition				Calibration Method Used	
Temperature (°C)	24.3	Humidity (%RH)	57	National / International Standard	ISO 8655-6:2002, ISO 8655-2:2002
Atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.6	Cal Procedure No	VCI-L03-WI-MASS-003

Standard Used

Sl. No.	Description	ID.No. / SI. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Semi Micro Balance	VCI-M-SMB-067	CC-23-24-S-296/01	Radwag/AS 82/220.R2.PLUS	Venus Calibration CC-2725	27.06.2024

Z Factor: 1.00319

Result of Calibration in µl											
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)	
1	100	100.32	100.41	100.45	100.38	100.30	100.39	0.39	0.05	0.20	
		100.39	100.47	100.35	100.39	100.43					

Note: Conformity Statement


Pass:

Fail:

Remarks

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